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INTERNATIONAL PRELIMINARY EXAMINATION REPORT



(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PF990005	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP00/01688	International filing date (day/month/year) 29/02/2000	Priority date (day/month/year) 08/03/1999
International Patent Classification (IPC) or national classification and IPC G06T7/20		
Applicant THOMSON MULTIMEDIA et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 7 sheets, including this cover sheet.
- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).
- These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 02/10/2000	Date of completion of this report 28.06.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Herter, J Telephone No. +49 89 2399 7478 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/01688

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-21 as published

Claims, No.:

1-32 as published

Drawings, sheets:

1/4-4/4 as published

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/01688

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	4-23,25-32
	No:	Claims	1-3,24
Inventive step (IS)	Yes:	Claims	4-23,25,26,28-32
	No:	Claims	27
Industrial applicability (IA)	Yes:	Claims	1-32
	No:	Claims	

2. Citations and explanations
see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:
see separate sheet

1. Reference is made to the following document:

D1: Westen et al: 'A quality measure for compressed image sequences based on an eye-movement compensated spatio-temporal model' Proceedings of the International Conference on Image Processing, US, Los Alamitos, CA: IEEE, 26 October 1997, pages 279-282

2. **Item V: Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

- 2.1 The present application fails to meet the requirements of Article 33(2) PCT because the subject matter of claims 1 and 24 is not novel, the reasons being as follows:

As to claim 1:

D1 discloses:

- Process for evaluating the quality of coded images (see abstract, lines 1-2 supported by page 279, right-hand column, lines 2-3), characterized in that it comprises:
 - a) a step of processing the signal representative of the image so as to obtain a processed signal (see abstract, lines 5-7),
 - b) a step of constructing on the basis of the signal representative of the coded image, a signal representative of the field of motion image on the basis of the source sequence (see abstract, lines 5-7 supported by page 279, right-hand column, lines 17-18),
 - c) a step of building a signal representative of the segmenting of the field of motion at an address defined with respect to the velocity vectors estimated in the step of constructing the field of motion making it possible to determine the pixels having different velocity vectors (see abstract, lines 7-11 supported by page 279, right-hand column, lines 17-21),
 - d) a step of determining or of calculating a psychovisual human filter to be applied as a function of the estimated velocity of the region (see page 279, right-hand column, lines 19-21),

- e) a step of filtering the processed signal (see page 279, right-hand column, line 19 - page 280, left-hand column, line 2), and

- f) a step of constructing the map of disparities between the signals representative of the image which are obtained after the filtering step and the signals representative of the decoded image which are obtained after the filtering step (see page 280, left-hand column, lines 3-5).

This is the wording of present claim 1, the subject-matter of which consequently is not novel (Article 33(2) PCT).

As to claim 24:

Claim 24 is the corresponding system claim to present process claim 1 and therefore also fails to meet the requirements of Article 33(2) PCT for lack of novelty, applying the same reasoning as for claim 1 above.

2.2 Dependent claims 2, 3 and 27 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT with respect to novelty and inventive step, the reasons being as follows:

As to claim 2:

D1 also discloses:

- a step consisting in applying each of the preceding steps to the source image and to the decoded image (see page 279, figure 1).

This is the wording of present claim 2, the subject-matter of which consequently also is not novel (Article 33(2) PCT).

As to claim 3:

D1 also discloses:

- a step of frequency decomposition of the images (FFT, subband, etc.) which precedes the filtering step and consists of a weighting by a coefficient deduced from curves taking into account the estimated velocity and the frequency band considered, so as to take account of the relative influence of the velocity and of the spatial frequency of the moving images (see abstract, lines 8-11 supported by page 279, right-hand column, line 19 - page 280, left-hand column, line 2).

This is the wording of present claim 2, the subject-matter of which consequently also is not novel (Article 33(2) PCT).

As to claim 27:

D1 does not explicitly disclose, that "the means of processing, the means of building, the means of determining, the means of constructing, the means of filtering consist of at least one microprocessor associated with memories sufficient to contain the programs making it possible to embody the various means and to contain the databases and the intermediate information necessary for the calculation and for obtaining the map of disparities.

D1 however mentions the use of MPEG-1 as coding standard for the source sequence in order to demonstrate the model (see page 282, left-hand column, lines 10-11). The skilled person working on the model of D1 will surely know that the steps of the model of D1 can be implemented as software modules running on a general-purpose computer and will therefore arrive at claim 27 without the exercise of any inventive step.

3. **Item VII: Certain defects in the international application**

The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in document D1 is not mentioned in the description, nor is this document identified therein.

4. **Item VIII: Certain observations on the international application**

As to claims 1 and 2:

Claim 1 is not clear (Article 6 PCT) due to the following reasons:

Step a) of present claim 1 is so broad, that no definitive meaning can be contributed to this feature, since any image processing method inherently involves "a step of processing the signal representative of the image so as to obtain a processed signal".

The examiner is of the opinion, that step a) is directed to the precorrection shown in figure 1a, items 1a and 1b. A suitable wording for step a) of claim 1 could have been "a step of preprocessing the signal representative of the image so as to obtain a gamma- and contrast-corrected signal", step e) could have been changed accordingly to "a step of filtering the preprocessed signal".

In step c) of present claim 1 reference is made to "velocity vectors" estimated in step b) of claim 1, but step b) only refers to "a signal representative of the field of motion image on the basis of the source sequence".

The estimation of velocity vectors should have been incorporated into step b) in order to clarify this missing reference.

From Step f) of claim 1 it is unclear how "the signals representative of the decoded image" are "obtained after the filtering step, since step e) of claim 1 does not recite filtering the decoded images.

Looking at claim 2, it can be found that steps a)-e) are applied to both the source image and the decoded image, which seems to be an essential feature of the invention, since the disparity map is calculated from the filtered decoded image and the filtered source image (see figure 1a).

It therefore would have been appropriate to incorporate the features of claim 2 into claim 1 and clearly refer in each of steps a) to e) to both source and decoded image signals, in order to overcome this objection.

As to claim 18:

Claim 18 is not entirely clear (Article 6 PCT) due to the wording "Use of the process according to one of the preceding claims in a coding device, characterized by a dynamic retroaction...", since it is not clear if the characterizing portion refers to the "process..." or the "coding device". The category of the claim is obscured by this wording.

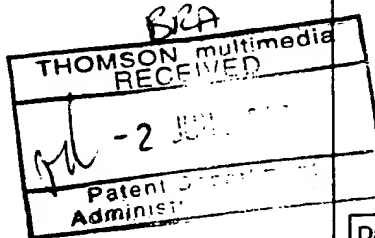
PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT

To:

KERBER, Thierry
THOMSON MULTIMEDIA
46 Quai Alphonse Le Gallo
F-92648 Boulogne Cedex
FRANCE



NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT
(PCT Rule 71.1)

Date of mailing
(day/month/year) 28.06.2001

Applicant's or agent's file reference
PF990005

IMPORTANT NOTIFICATION

International application No.
PCT/EP00/01688

International filing date (day/month/year)
29/02/2000

Priority date (day/month/year)
08/03/1999

Applicant
THOMSON MULTIMEDIA et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/



European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0 Tx: 523656 epmu d
Fax: +49 89 2399 - 4465

Authorized officer

Corcos, E

Tel. +49 89 2399-7418



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)


Applicant's or agent's file reference PF990005	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP00/01688	International filing date (day/month/year) 29/02/2000	Priority date (day/month/year) 08/03/1999
International Patent Classification (IPC) or national classification and IPC G06T7/20		
Applicant THOMSON MULTIMEDIA et al.		

- This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 7 sheets, including this cover sheet.
 - ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 02/10/2000 ✓	Date of completion of this report 28.06.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Herter, J Telephone No. +49 89 2399 7478



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/01688

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-21 as published

Claims, No.:

1-32 as published

Drawings, sheets:

1/4-4/4 as published

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/01688

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	4-23,25-32
	No:	Claims	1-3,24
Inventive step (IS)	Yes:	Claims	4-23,25,26,28-32
	No:	Claims	27
Industrial applicability (IA)	Yes:	Claims	1-32
	No:	Claims	

2. Citations and explanations
see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:
see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/01688

1. Reference is made to the following document:

D1: Westen et al: 'A quality measure for compressed image sequences based on an eye-movement compensated spatio-temporal model' Proceedings of the International Conference on Image Processing, US, Los Alamitos, CA: IEEE, 26 October 1997, pages 279-282

2. **Item V: Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

- 2.1 The present application fails to meet the requirements of Article 33(2) PCT because the subject matter of claims 1 and 24 is not novel, the reasons being as follows:

As to claim 1:

D1 discloses:

- Process for evaluating the quality of coded images (see abstract, lines 1-2 supported by page 279, right-hand column, lines 2-3), characterized in that it comprises:
 - a) a step of processing the signal representative of the image so as to obtain a processed signal (see abstract, lines 5-7),
 - b) a step of constructing on the basis of the signal representative of the coded image, a signal representative of the field of motion image on the basis of the source sequence (see abstract, lines 5-7 supported by page 279, right-hand column, lines 17-18),
 - c) a step of building a signal representative of the segmenting of the field of motion at an address defined with respect to the velocity vectors estimated in the step of constructing the field of motion making it possible to determine the pixels having different velocity vectors (see abstract, lines 7-11 supported by page 279, right-hand column, lines 17-21),
 - d) a step of determining or of calculating a psychovisual human filter to be applied as a function of the estimated velocity of the region (see page 279, right-hand column, lines 19-21),

- e) a step of filtering the processed signal (see page 279, right-hand column, line 19 - page 280, left-hand column, line 2), and
- f) a step of constructing the map of disparities between the signals representative of the image which are obtained after the filtering step and the signals representative of the decoded image which are obtained after the filtering step (see page 280, left-hand column, lines 3-5).

This is the wording of present claim 1, the subject-matter of which consequently is not novel (Article 33(2) PCT).

As to claim 24:

Claim 24 is the corresponding system claim to present process claim 1 and therefore also fails to meet the requirements of Article 33(2) PCT for lack of novelty, applying the same reasoning as for claim 1 above.

- 2.2 Dependent claims 2, 3 and 27 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT with respect to novelty and inventive step, the reasons being as follows:

As to claim 2:

D1 also discloses:

- a step consisting in applying each of the preceding steps to the source image and to the decoded image (see page 279, figure 1).

This is the wording of present claim 2, the subject-matter of which consequently also is not novel (Article 33(2) PCT).

As to claim 3:

D1 also discloses:

- a step of frequency decomposition of the images (FFT, subband, etc.) which precedes the filtering step and consists of a weighting by a coefficient deduced from curves taking into account the estimated velocity and the frequency band considered, so as to take account of the relative influence of the velocity and of the spatial frequency of the moving images (see abstract, lines 8-11 supported by page 279, right-hand column, line 19 - page 280, left-hand column, line 2).

This is the wording of present claim 2, the subject-matter of which consequently also is not novel (Article 33(2) PCT).

As to claim 27:

D1 does not explicitly disclose, that "the means of processing, the means of building, the means of determining, the means of constructing, the means of filtering consist of at least one microprocessor associated with memories sufficient to contain the programs making it possible to embody the various means and to contain the databases and the intermediate information necessary for the calculation and for obtaining the map of disparities.

D1 however mentions the use of MPEG-1 as coding standard for the source sequence in order to demonstrate the model (see page 282, left-hand column, lines 10-11). The skilled person working on the model of D1 will surely know that the steps of the model of D1 can be implemented as software modules running on a general-purpose computer and will therefore arrive at claim 27 without the exercise of any inventive step.

3. Item VII: Certain defects in the international application

The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in document D1 is not mentioned in the description, nor is this document identified therein.

4. Item VIII: Certain observations on the international application

As to claims 1 and 2:

Claim 1 is not clear (Article 6 PCT) due to the following reasons:

Step a) of present claim 1 is so broad, that no definitive meaning can be contributed to this feature, since any image processing method inherently involves "a step of processing the signal representative of the image so as to obtain a processed signal".

The examiner is of the opinion, that step a) is directed to the precorrection shown in figure 1a, items 1a and 1b. A suitable wording for step a) of claim 1 could have been "a step of preprocessing the signal representative of the image so as to obtain a gamma- and contrast-corrected signal", step e) could have been changed accordingly to "a step of filtering the preprocessed signal".

In step c) of present claim 1 reference is made to "velocity vectors" estimated in step b) of claim 1, but step b) only refers to "a signal representative of the field of motion image on the basis of the source sequence".

The estimation of velocity vectors should have been incorporated into step b) in order to clarify this missing reference.

From Step f) of claim 1 it is unclear how "the signals representative of the decoded image" are "obtained after the filtering step, since step e) of claim 1 does not recite filtering the decoded images.

Looking at claim 2, it can be found that steps a)-e) are applied to both the source image and the decoded image, which seems to be an essential feature of the invention, since the disparity map is calculated from the filtered decoded image and the filtered source image (see figure 1a).

It therefore would have been appropriate to incorporate the features of claim 2 into claim 1 and clearly refer in each of steps a) to e) to both source and decoded image signals, in order to overcome this objection.

As to claim 18:

Claim 18 is not entirely clear (Article 6 PCT) due to the wording "Use of the process according to one of the preceding claims in a coding device, characterized by a dynamic retroaction...", since it is not clear if the characterizing portion refers to the "process..." or the "coding device". The category of the claim is obscured by this wording.

INTERNATIONAL COOPERATION TREATY

PCT

COMMUNICATION IN CASES FOR WHICH
NO OTHER FORM IS APPLICABLE

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark Office,
PCT
2011 South Clark Place Room CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 21 August 2001 (21.08.01)	
Applicant's or agent's file reference PF990005	REPLY DUE see paragraph 1 below
International application No. PCT/EP00/01688	International filing date (day/month/year) 29 February 2000 (29.02.00)
Applicant THOMSON MULTIMEDIA	

- ☐ REPLY DUE within _____ months/days from the above date of mailing
☐ NO REPLY DUE, however, see below
☒ IMPORTANT COMMUNICATION
☐ INFORMATION ONLY

2. COMMUNICATION:

Please be informed that the International Preliminary Examination Report dated 28 March 2001 should be disregarded and replaced by the IPER dated 28 June 2001.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 740.14.35	Authorized officer GIFFO-SCHMITT Beate Telephone No. (41-22) 338.83.38
--	--

Best Available Copy

PCT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 22 November 2000 (22.11.00)	
International application No. PCT/EP00/01688	Applicant's or agent's file reference PF990005
International filing date (day/month/year) 29 February 2000 (29.02.00)	Priority date (day/month/year) 08 March 1999 (08.03.99)
Applicant BORDES, Philippe et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
02 October 2000 (02.10.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Zakaria EL KHODARY Telephone No.: (41-22) 338.83.38
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PATENT COOPERATION TREATY

6

91956033

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

RUELLAN LEMONNIER, Brigitte
Thomson Multimedia
46, quai Alphonse Le Gallo
F-92648 Boulogne Cedex
FRANCE

Date of mailing (day/month/year)

26 November 2001 (26.11.01)

Applicant's or agent's file reference

PF990005

IMPORTANT NOTIFICATION

International application No.

PCT/EP00/01688

International filing date (day/month/year)

29 February 2000 (29.02.00)

1. The following indications appeared on record concerning:

☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

Name and Address

THOMSON MULTIMEDIA
46, quai Alphonse Le Gallo
F-92100 Boulogne Billancourt
France

State of Nationality

FR

State of Residence

FR

Telephone No.

RECEIVED

Facsimile No.

FEB 08 2002

Teleprinter No.

Technology Center 2600

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☒ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address

THOMSON LICENSING S.A.
46, quai Alphonse Le Gallo
F-92100 Boulogne Billancourt
France

State of Nationality

FR

State of Residence

FR

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

Cession des droits.

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☐ the International Preliminary Examining Authority ☐ other:The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Dominique DELMAS

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

Best Available Copy